

**REINFORCED PANEL STRUCTURE AND METHOD****Abstract of the Disclosure**

5 A composite corrugated panel is provided comprising a first corrugated  
panel defining a first corrugation height joined to a second corrugated panel  
defining a second corrugation height, the joined panels defining a cross sectional  
thickness that is preferably less than a sum of the first and second corrugation  
heights. A method is provided for producing a composite corrugated panel,  
comprising: providing a first panel comprising a first corrugation and a first  
10 opening; providing a second panel comprising a second corrugation and a second  
opening; stacking the panels by disposing the first corrugation in the second  
opening and the second corrugation in the first opening.